

Application No.
Amendment Dated
Reply to Office Action of

10/531,844
October 2, 2006
April 7, 2006

- 1/2 -



Ecoli ---MADYQ GK NVVI IGLGLTGLSCVDFFLARGVTPRVMDTRMTTP---GLDKLPEAVERH
Efaecalis MKKITTYQNKKVLVLGLAKSGVSAAKLLHEL GALVTVND AKQFDQNPDAQDLLTLGIRVV
Paeruginosa --MSLIASDHFRIVVGLGKSGMSLVRYLARRGLPFAVVD TRENPP ELATLRAQYPQVEVR
Saureus MLNYTGLENKNVLVVGLAKSGYEAAKLLSKLGANVTVNDGKDLSQDAHAKDLESMGISVV
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Ecoli TGSLNDEWLMAA-DLIVASPGIALAHPSLSAAADAGIEIVGDIELFCREAPIVAITGS
Efaecalis TGGHPIELLD EEFELIVKNPGILYTNPLVAEALTRKIP IITEVELAGQIAECPIVGITGT
Paeruginosa CGELDAEFLCSA-RELYVSPGLSLRTPALVQAAAKGVRISGDIDLFAREAKAPIVAITGS
Saureus SGSHPLTLLDNN-PIIVKNPGIPYTVSIIIDEAVKRGLKILTEVELSYLISEAPIIAVTGT
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Ecoli NGKSTVTTLVGEMAKAAGVNV--GVGNGI GLPA--LMLLDDECELYVLELSSFQLETTSS
Efaecalis NGKTTTTT MIGLLL NADRTAGEARL AGNIGFPASTVAQEATAKDDLVMELSSFQLMGIET
Paeruginosa NAKSTVTTLVGEMAVAADKRV--AVGNGI GLTPA--LDLLADDIELYVLELSSFQLETCDR
Saureus NGKTTVTSLIGDMFKKSRLTG--RLSGNIGYVASKVAQEVKPTDYLVT ELSSFQLLGIEK
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Ecoli LQAVAATILNVTEDHMDRYPFGLQQYRAAKLRIYENAKVCVNVNADDALTMPIRG-ADERC
Efaecalis FHPQIAVITNIFEAHLDYH-GSRKEYVAAKWAIQKNMTAEDTLILNWNQVELQTLAKTTA
Paeruginosa LNAEVATVLNVSEDHMDRY-DGMADYHLAKHRI FRGARQVVVN RADALTRPLIA-DTVPC
Saureus YKPHIAIITNIYSAHLDYH-ENLENYQNAKKQIYKNQTEEDY LICNYHQ RQVIE-SEELK
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Ecoli VSFGVN---MGDYHLNHQQGETWLRVKGEKVLNVKEMKLSGQHNYTNALAALALADAAGL
Efaecalis ANVLPFSTKEAVEGAYLLDG--KLYFNEEYIMPADELGIPGSHNIENALAAICVPKLKNV
Paeruginosa WSFGLNKPDFKAFGLIEEDGQKWLAFQFDKLLPVGELKIRGAHNYSNALAALALGHAVGL
Saureus AKTLYFSTQQEVDGIYIKDG--FIVYKGVRIINTEDLVLPG EHNLENILA AVLACILAGV
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Ecoli PRASSLKALTTFTGLPHRF EVVLEHNGVRWINDSKATNVGSTEAALN--GLHVDGTLHLL
Efaecalis SNAQIKQSLTNFSGVPHRTQFVGEVQQR RFYND SKATNFLATEMALS--GFDNQKLLLLA
Paeruginosa PFDAMLGALKAFSGLAHRCQWVRERQGVSYDDSKATNVGAALAAIEGLGADIDGKLVLL
Saureus PIKAIIDSLTTFSGIEHRLQYVG TNRTNKYYNDSKATNTLATQFALN--SFN-QPIIWLC
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Ecoli LGGDGKSADFSPLARYLNGDNVRLYCFGRDGAQLAALR--PEVAEQT--ETMEQAMRLLA
Efaecalis GGLD-RGNSFDELVPALLG-LKAI VLFGETKKKLAEAAKKPN IETILFAENVQTAVTIAF
Paeruginosa AGGDGKGADFHDLPVARFCRAVLLGRDAGLIAQAL--GNAVPLVRVATLDEAVRQAA
Saureus GGLD-RGNEFDELIPYMEN-VRAMVVF GQTKAKFAKL GNS-QGKS VIEANNVEDAVDKVQ
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(Figure 8)

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Ecoli	PRVQPGDMVLLSPACASLDQFKNFEQRGNEFARLAKELG----	(SEQ ID NO:1)
Efaecalis	DYSEKDDTILLSPACASWDQYPNFEVRGEAFMQAVQQLKESEM	(SEQ ID NO:2)
Paeruginosa	ELAREGDAVLLSPACASLDMFKNFEERGRLFAKAVEELA----	(SEQ ID NO:3)
Saureus	DIIEPNDVVLLSPACASWDQYSTFEERGEKFIERFRAHLPSY-	(SEQ ID NO:4)

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(Figure 8)